

SUPPORT FOR THE AMENDMENTS

The amendments to the claims are supported by the specification. Accordingly, no new matter is believed to have been added to the present application by the amendments submitted above.

REMARKS

Claims 1-6 remain pending. Favorable reconsideration is respectfully requested.

Applicants would like to thank Examiner Kaushal for the helpful and courteous discussion held with their representative on March 11, 2008. During the discussion, amending the claims as presented herein was discussed. The following remarks expand on the discussion with the Examiner.

The present invention relates to a method for detecting negatively supercoiled DNA on interphase chromosomes in intact cells, comprising incorporating biotinylated psoralen into intact cells, irradiating the cells with long-wavelength UV rays, causing the cells to react with avidin which has been labeled with a color-developing substance, a fluorescent substance, or a chemiluminescent substance, and measuring developed color, emitted fluorescence, or emitted chemiluminescence of the cells. See Claim 1.

The present invention is also related to a method for detecting an intact cell containing negatively supercoiled DNA on interphase chromosomes, comprising f incorporating biotinylated psoralen into intact cells, irradiating the cells with long-wavelength UV rays, causing the cells to react with avidin which has been labeled with a color-developing substance, a fluorescent substance, or a chemiluminescent substance, and measuring developed color, emitted fluorescence, or emitted chemiluminescence of the cells. See Claim 2.

The rejections of the claims under 35 U.S.C. §112, first paragraph, are believed to be obviated by the amendment submitted above.

The specification clearly describes detecting negatively supercoiled DNA on interphase chromosomes in intact cells and detecting an intact cell containing negatively supercoiled DNA on interphase chromosomes, which can be practiced without undue

Application No. 10/699,852
Reply to Office Action of January 11, 2008

experimentation. Accordingly, withdrawal of these grounds of rejection is respectfully requested.

Applicants submit that the present application is in condition for allowance. Early notice to this effect is earnestly solicited.

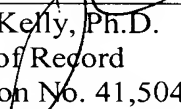
Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Customer Number

22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 08/07)



James J. Kelly, Ph.D.
Attorney of Record
Registration No. 41,504